

Toston Irrigation District
Toston Canal Rehabilitation Project

EXHIBIT 13
DATE JAN. 17, 2013
HB 6

The Toston Irrigation District (TID) has identified a 1.5-mile reach of the Toston Canal as a reach of concern due to significant water losses occurring due to severe seepage. The initial half-mile portion of this reach experiences the largest seepage losses and therefore has been identified as a priority rehabilitation area. These seepage losses are primarily caused by sandy or cobbly soils that have high permeability and create a path for water to seep from within the canal. Seepage losses within the initial half-mile reach of the Toston Canal forces downstream users to implement water rationing, reducing the irrigation capacity of the canal. Additionally, seepage losses decrease the amount of water that is available to augment flows within Warm Springs Creek, thereby diminishing fish and wildlife habitat within the creek. The proposed project will preserve the sole source of irrigation water for 6,200 downstream irrigated acres, ensure a reliable and sustainable supply of water for downstream acres, preserve flow augmentation within Warm Springs Creek, decrease the operation and maintenance efforts required for irrigation practices, and conserve water.

By implementing seepage mitigation procedures, approximately 4.79 cfs (486.2 million gallons of water per year) will be conserved within the initial half-mile stretch of the Toston Canal. These efforts will increase irrigation capacity resulting in a reliable delivery of irrigation water for downstream acres and decreased operation and maintenance costs. Additionally, seepage mitigation procedures will provide a larger volume of water available to augment flows within Warm Springs Creek, enhancing fish and wildlife habitat as a result of increased irrigation efficiency within the canal.

The rehabilitation of a half-mile reach of the Toston Canal will provide the following benefits:

- Reduced seepage
- Water conservation of approximately 486.2 million gallons of water per year
- Increased on-farm irrigation efficiency
- Reduction in operation and maintenance activities
- Increased time for management of the water throughout the TID system
- Preservation of irrigated lands
- Increased water delivery efficiency
- Increased revenues and improvement to the local and state tax base
- Increased crop production
- Preservation of water for recreation, fish, waterfowl, and wildlife habitat
- Preservation of agricultural lifestyle

Grant Request Amount:	\$100,000.00
Toston Irrigation District Match Amount:	\$67,200.00
Estimated Total Project Cost:	\$167,200.00

Toston Irrigation District sincerely appreciates your consideration of this project and hopes that you will find it as important and necessary as our residents and your constituents have.

